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(JWES)

Classification for deposited metal of submerged arc welding for carbon steel and low alloy steel

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by the Japan Welding Engineering Society (JWES) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS Z 3183**:1993 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public or the utility model right. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public or the utility model right.

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Introduction

This Japanese Industrial Standard was established in 1988 and has gone through two revisions to this day. The last revision was made in 1993, and the revision at this time is made to conform to the revised rules for layout of **JIS** documents and to correspond to the revisions of **JIS**s of steel products.

1 Scope

This Standard specifies the classification (mechanical properties and chemical composition) for deposited metal obtained from the submerged arc welding material (hereafter referred to as "deposited metal") to be used in the welding of carbon steel and low alloy steel (high tensile strength steel, heat resisting steel and atmospheric corrosion resistant steel).

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS G 1201 *Iron and steel—General rules for analytical methods*

JIS G 1211 series *Iron and steel—Determination of carbon content*

JIS G 1212 *Iron and steel—Methods for determination of silicon content*

JIS G 1213 *Iron and steel—Methods for determination of manganese content*

JIS G 1214 *Iron and steel—Methods for determination of phosphorus content*

JIS G 1215 series *Iron and steel—Determination of sulfur content*

JIS G 1216 *Iron and steel—Methods for determination of nickel content*

JIS G 1217 *Iron and steel—Methods for determination of chromium content*

JIS G 1218 *Iron and steel—Methods for determination of molybdenum content*

JIS G 1219 *Iron and steel—Methods for determination of copper content*

JIS G 1253 *Iron and steel—Method for spark discharge atomic emission spectrometric analysis*

JIS G 1256 *Iron and steel—Method for X-ray fluorescence spectrometric analysis*

JIS G 1257 *Iron and steel—Methods for atomic absorption spectrometric analysis*

JIS G 1258 series *Iron and steel—ICP atomic emission spectrometric method*

JIS G 3101 *Rolled steels for general structure*